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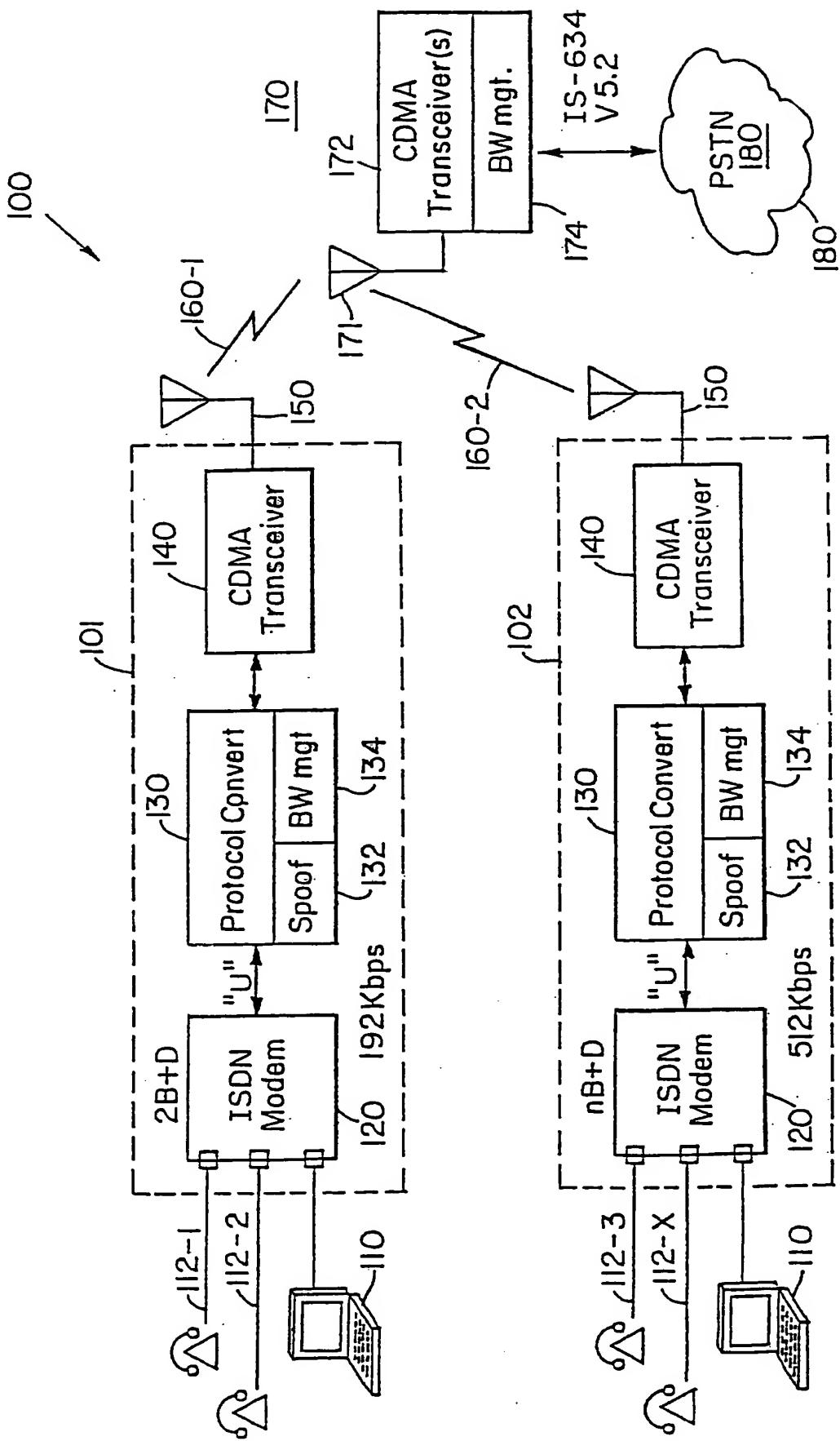


FIG. 1

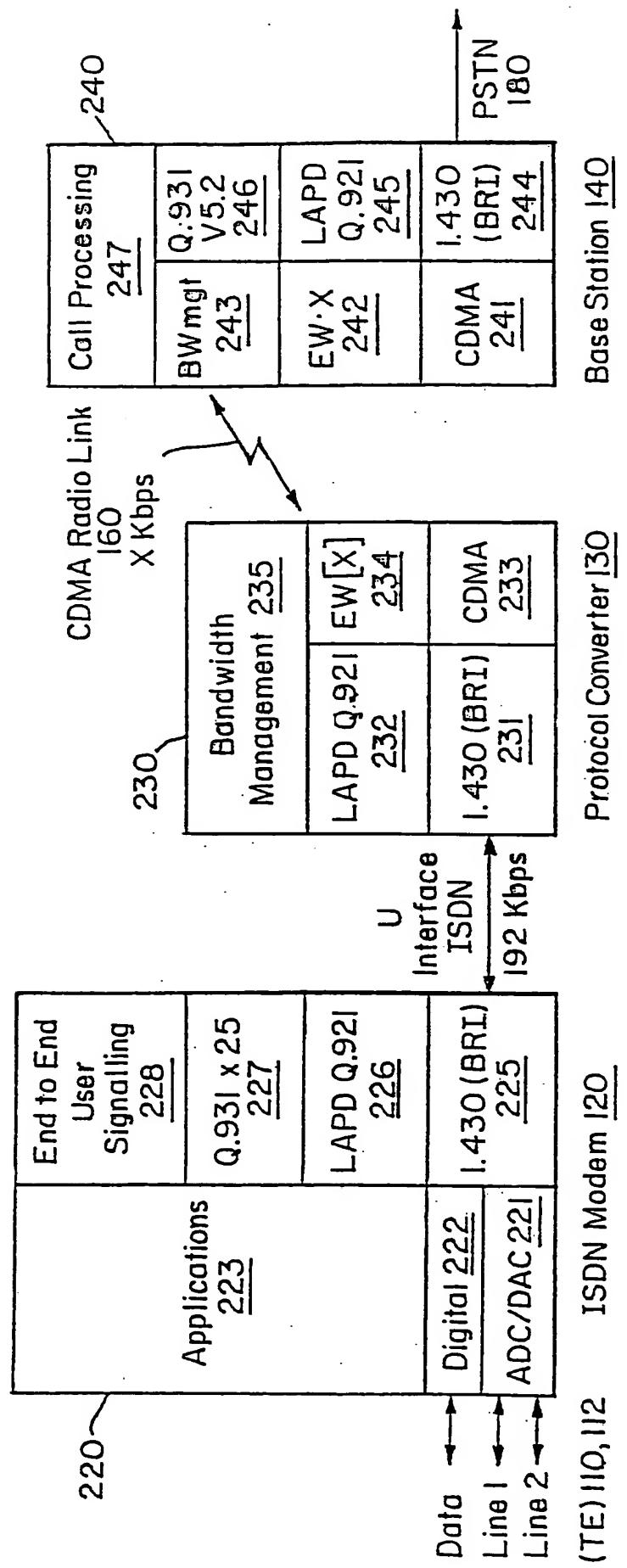


FIG. 2

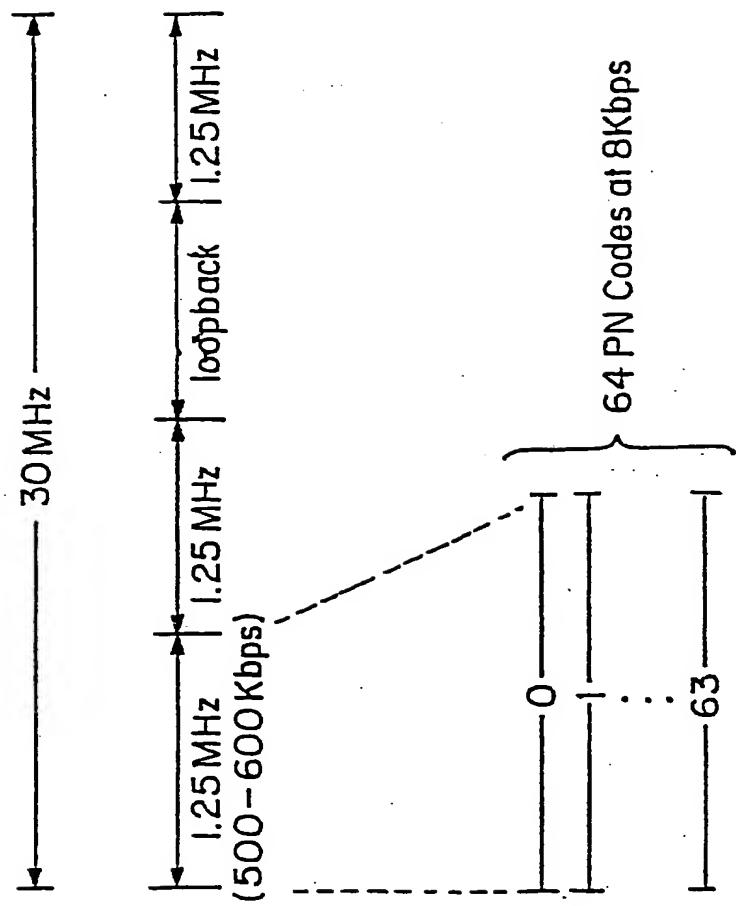


FIG. 3

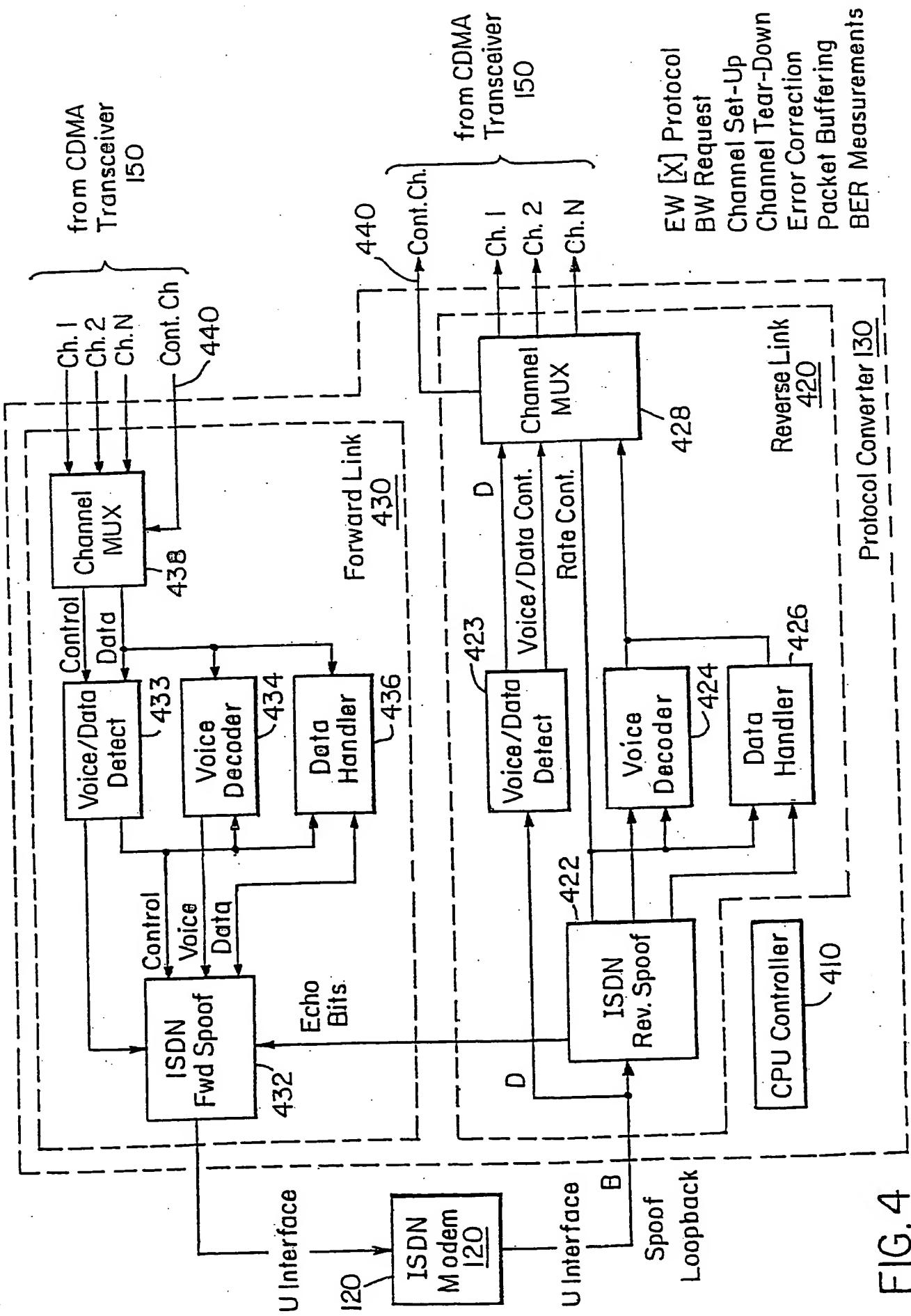


FIG. 4

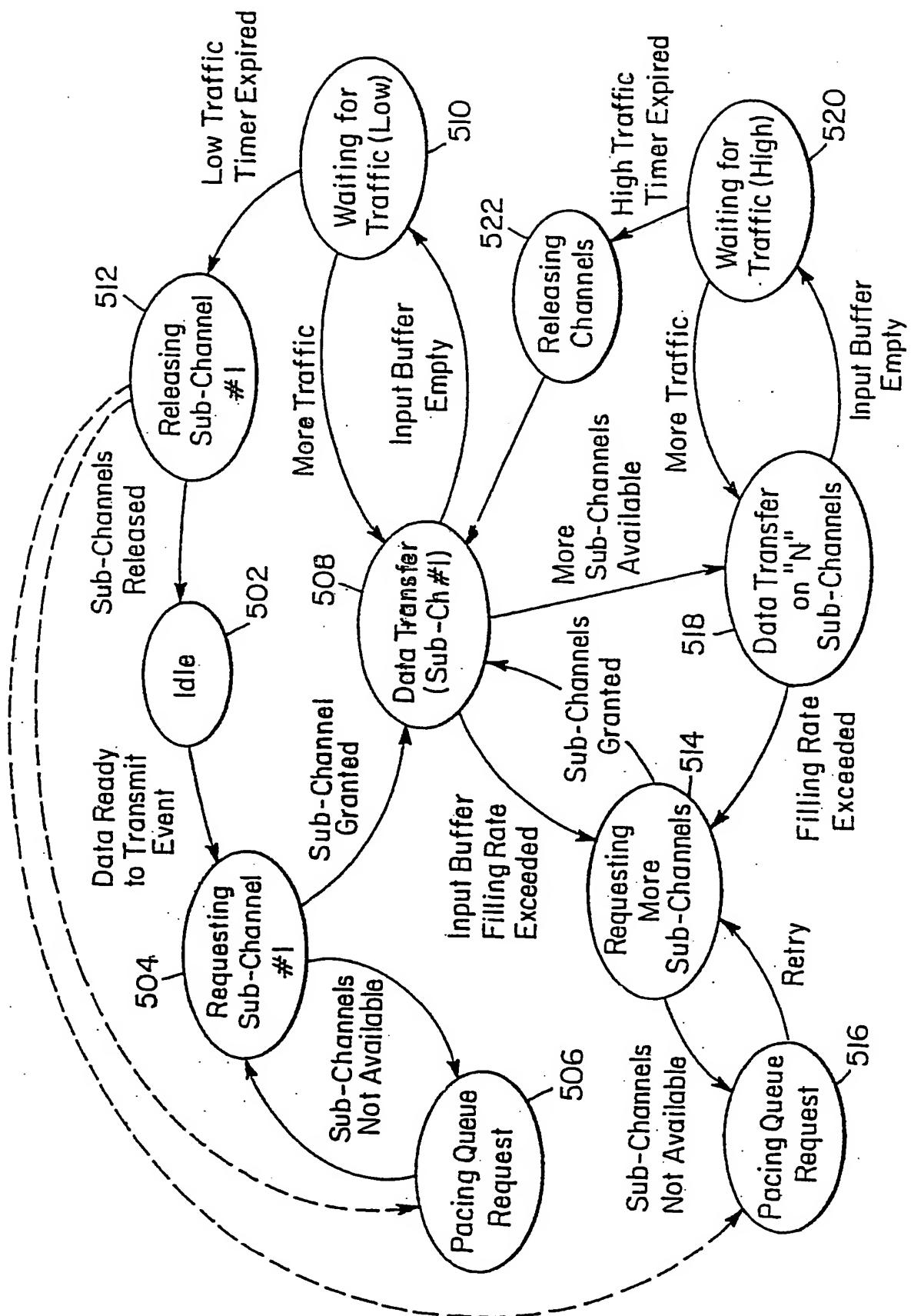
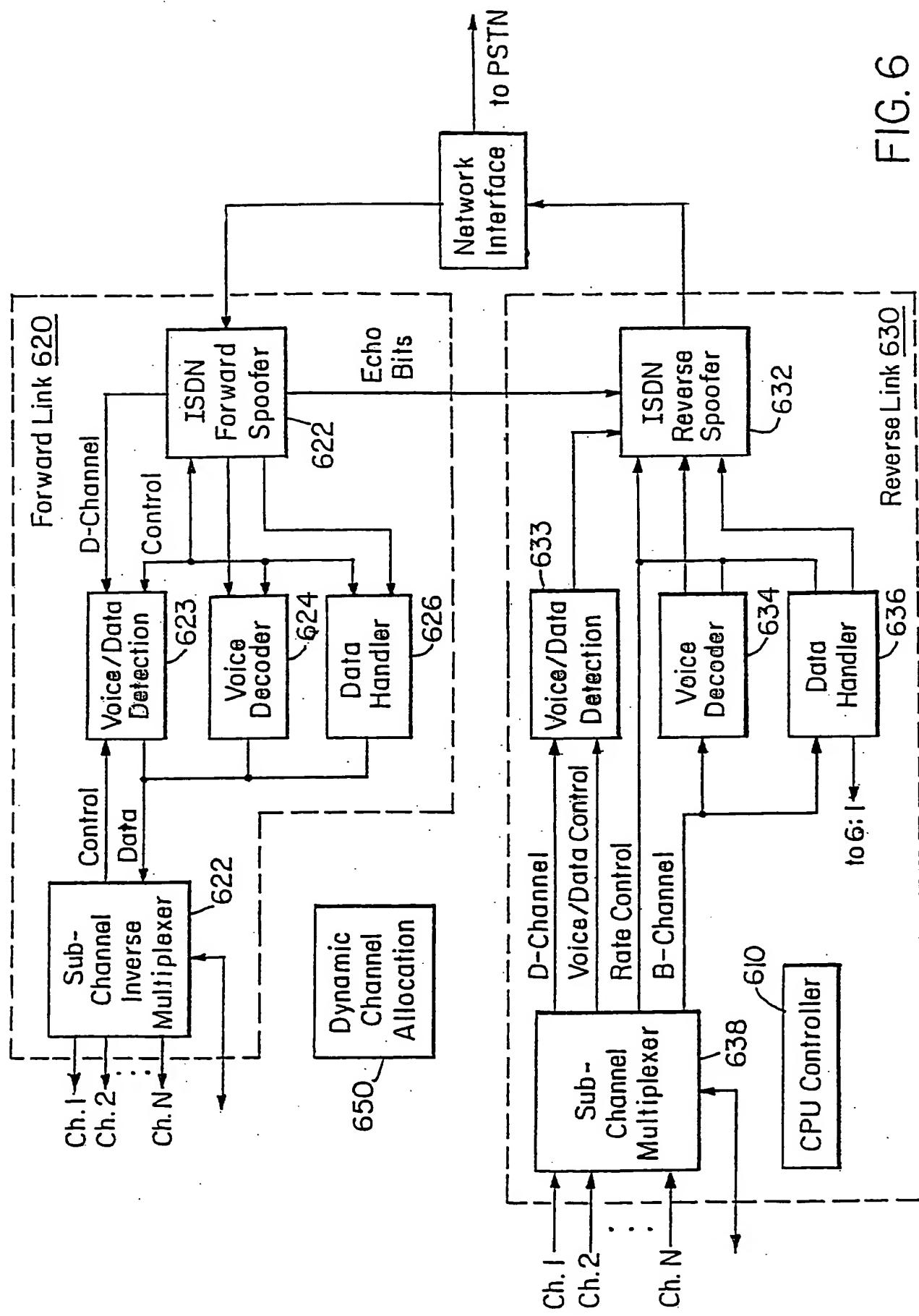


FIG. 5

FIG. 6



MAIN:

DO Always  
Process Port Request  
Process Bandwidth Release  
Process Bandwidth Requests  
Locate and tear down unused sub-channels  
ENDDO

} 710

POR REQUEST:

Make reservation in least utilized sub-band  
Reservation decision based on % of available Sub-Channels to assign (Based on parallel user BW vs. throughput efficiency)

IF reservation was made

Send frequency and code assignment  
Update allocations

ELSE

Add port request to port queue  
Calculate expected wait time  
Send wait message to user

ENDIF

} 720

BANDWIDTH RELEASE:

Notify channel-bonding function  
Return frequency and code to available pool  
Update radio record

} 730

BANDWIDTH REQUEST:

Select highest priority with lowest bandwidth utilization, including need-allocation gap

Check other sub-bands for greatest available sub channels  
(Switch sub-bands if difference in sub-band space exceeds payback threshold)

Assign sub channels based on need, priority, availability  
Notify channel bonding function  
Update radio record

} 740

FIG. 7